RGB 560 AKM

Architectural Interface with Audio Interfacing and ADSP™ for AKM - Ackermann Floor Box

FEATURES

- Input: RGB video on female 15-pin HD connector; audio on 3.5 mm stereo mini connector
- Output: RGB video on female 5-BNC pigtail connector; audio on captive screw connector
- Compatible with VGA-QXGA, Mac, Sun®, and SGI computers
- 300 MHz (-3 dB) RGB video bandwidth
- ADSP™ - Advanced Digital Sync Processing
- Active PC audio to balanced audio interfacing
- Horizontal shift control
- Level and peaking adjustments
- Buffered female 15-pin HD local monitor output
- 12-24 VAC/ VDC accepted through captive screw connector
- Mounts in AKM - Ackermann floor boxes
- Power supply is not included and must be ordered separately

DESCRIPTION

The Extron **RGB 560 AKM** with audio interfacing and ADSP™ is designed for Ackermann UK floor boxes. The RGB 560 AKM universal, computer-video interface fits flush within an AKM - Ackermann GES9B box for convenient and easy installation in the Ackermann floor box system. RGB and audio output connections are provided on six-inch cable extensions. The RGB 560 AKM features a 15-130 kHz horizontal scanning range with 300 MHz (-3dB) of RGB video bandwidth, a female 15-pin HD input connector, Extron's exclusive ADSP - Advanced Digital Sync Processing and active audio interfacing. This interface is compatible with VGA-QXGA, Mac, Sun®, SGI, and other computer-video signals.

SPECIFICATIONS

VIDEO

Gain	Unity (0.70 Vp-p), (0.725 Vp-p) 50% peaking, (0.75 Vp-p) 100% peaking
Bandwidth	300 MHz (-3 dB)

VIDEO INPUT

Number / Signal type	1 analog RGBHV, RGBS, RGsB, RsGsBs
Connectors	1 female 15-pin HD
Nominal level	0.7 Vp-p for RGB
Minimum / Maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain
Impedance	75 ohms or High Z, switchable (set to 75 ohms if no local monitor is connected)
Horizontal frequency	Autoscan 15 kHz to 130 kHz
Vertical frequency	Autoscan 30 Hz to 120 Hz

VIDEO OUTPUT

Number / Signal type	1 analog RGBHV, RGBS, RGsB
Connectors	5 BNC female 1 female 15-pin HD for buffered local monitor output
Nominal level	0.7 Vp-p for RGB
Minimum / Maximum levels	0.70 V to 0.75 Vp-p with no offset and 0.7 Vp-p input
Impedance	75 ohms

SYNC

Input type	RGBHV TTL (±), RGBS TTL (-), RGsB 0.3V (-), RsGsBs 1.3V (-)
Output type	RGBHV (±), RGBS(-), RGsB (-)
Input level	2 V to 5.5 Vp-p with ±0.3 VDC offset (max.)
Output level	4 V to 5 Vp-p, unterminated
Input impedance	10 kohms
Output impedance	75 ohms
Max. propagation delay	48 nS
Max. Rise / Fall time	3.5 nS
Polarity	RGBHV: Polarity follows input when RGBHV is input and the sync polarity switch is set to Off. Sync polarity is negative if the sync polarity switch is set to On.

AUDIO

Gain	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, ±0.05 dB
THD + Noise	0.03% @ 1 kHz, 0.3% @ 20 kHz at rated maximum output
S/N	>90 dB at maximum output (14 dBm), balanced (unweighted)
Stereo channel separation	>95 dB @ 1 kHz to 20 kHz

AUDIO INPUT

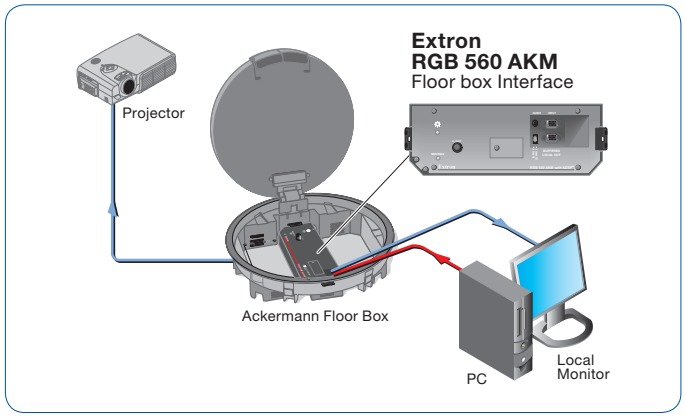
Number / Signal type	1 PC level stereo, unbalanced
Connectors	(1) 3.5 mm stereo jack, 2 channel; tip (L), ring (R), sleeve (ground)
Impedance	10k ohms, DC coupled
Nominal level	-10 dBV (316 mV)
Maximum level	+8.5 dBu, (unbalanced) at 1% THD+N

AUDIO OUTPUT

Number / Signal type	1 stereo (2 channel), balanced/unbalanced
Connectors	(1) 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.1 dB channel to channel
Maximum level (600 ohm)	>+14 dBm, balanced at 1% THD+N

GENERAL

External power supply	100 VAC to 240 VAC, 50/60 Hz, external, universal; to 12 to 24 VAC or VDC, 0.20 A power supply, regulated
Power input requirements	12 VDC, 0.20 A (minimum) (Order the power supply separately, part #70-055-01.)
Rack mount	No, but floor mountable
Enclosure type	Metal
Enclosure dimensions	
Interface	3.0" H x 8.2" W x 1.5" D (7.62 cm H x 20.8 cm W x 3.8 cm D) (Depth excludes connectors and knobs.)
Product / Shipping weight	0.9 lbs (0.4 kg) / 3 lbs (2 kg)



MODEL

MODEL	VERSION DESCRIPTION	PART #
RGB 560 AKM	For Ackermann Floor Box	60-384-01

REQUIRED ACCESSORY	MODEL DESCRIPTION	PAGE	PART #
VGA-A M-M MD/6	15-pin HD Male to Male - 6' (1.8 m)	page 60	26-490-02
Mac 15-HD	Mac Adapter Kit with Audio	page 60	70-156-01
13W3 - 15HD	13W3 Adapter Kit with Audio	page 60	70-157-03
EPS 1210 B	Extron EPS 1210 B Power Supply - 12VDC, 2A	page 694	70-055-01

Note: Ackermann floor box sold separately.

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